

## ABSTRACT OF THE INVENTION

A safety controller with redundant controllers, each executing safety tasks and comparing their results, provides an improved interface in which a user interacts with a single processor and the second processor is invisible. The interacting processor provides for the transmission of programs and variables to both processors when they are safety tasks and coordinates synchronization of the two programs and comparison of their operation all without additional user input.

5440593\_1.DOC

110003.00040